

INTERNATIONAL SEARCH REPORT

Inter Application No
PCT/US2005/008519

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 C07K14/16 A61P35/00 C12N15/62 A61P31/00

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 C07K

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, BIOSIS, EMBASE, PAJ, WPI Data, Sequence Search

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	GIANNOULI C ET AL: "FUSION OF A TUMOUR-ASSOCIATED ANTIGEN TO HIV-1 TAT IMPROVES PROTEIN-BASED IMMUNOTHERAPY OF CANCER" ANTICANCER RESEARCH, HELENIC ANTICANCER INSTITUTE, ATHENS,, GR, vol. 23, no. 4, July 2003 (2003-07), pages 3523-3532, XP009031082 ISSN: 0250-7005	1-3, 5, 9-11, 13, 14
Y	page 3529; figures 1-4 ----- -/-	6-8, 15-17

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

° Special categories of cited documents :

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

- *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- *&* document member of the same patent family

Date of the actual completion of the international search

12 August 2005

Date of mailing of the international search report

02/09/2005

Name and mailing address of the ISA

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Intern

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	VOCERO-AKBANI A M ET AL: "Killing HIV-infected cells by transduction with an HIV protease-activated caspase-3 protein" NATURE MEDICINE, NATURE PUBLISHING, CO, US, vol. 5, no. 1, January 1999 (1999-01), pages 29-33, XP002228967 ISSN: 1078-8956 abstract; figure 1	1-3, 9, 10, 12-14
X	DARBINIAN NUNE ET AL: "Growth inhibition of glioblastoma cells by human Puralpha" JOURNAL OF CELLULAR PHYSIOLOGY, vol. 189, no. 3, December 2001 (2001-12), pages 334-340, XP009052328 ISSN: 0021-9541 abstract	1, 2, 4, 9
Y	US 6 667 151 B1 (COHEN DAVID I) 23 December 2003 (2003-12-23) columns 10, 11, 13; tables 1, 2	6, 15
Y	DATABASE EMBL 'Online! 1 November 1998 (1998-11-01), PARK ET AL.: "Tat protein" XP002340333 retrieved from EBI accession no. UNIPROT Database accession no. 090291 abstract & PARK ET AL: "Mutations in both gp120 and gp41 are responsible for the broad neutralization resistance of variant human immunodeficiency virus type 1 MN to antibodies directed at V3 and non-V3 epitopes" JOURNAL OF VIROLOGY, NEW YORK, US, US, vol. 72, no. 9, September 1998 (1998-09), pages 7099-7107, XP002985837 ISSN: 0022-538X the whole document	7, 8, 16, 17

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Box II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☒ Claims Nos.:
because they relate to subject matter not required to be searched by this Authority, namely:

Although claims 10-12 are directed to a method of treatment of the human/animal body, the search has been carried out and based on the alleged effects of the compound/composition.
2. ☐ Claims Nos.:
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
3. ☐ Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

1. ☐ As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. ☐ No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest.
- ☐ No protest accompanied the payment of additional search fees.

Information on patent family members

PCT/US2005/008519

Form PCT/ISA/210 (patent family annex) (January 2004)